

# Anjali Kantharuban

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anjalaruban@berkeley.edu • (925) 989-1829 • github.com/AnjaliRuban

## Professional Summary

A motivated and detail oriented Computer Science major from Berkeley looking to utilize excellent research skills, well rounded knowledge of the development pipeline and problem solving capabilities to succeed as an intern. Highly interested in pursuing projects in natural language processing (NLP), machine learning and data analytics.

## Skills

- Hands on experience with Python, Java, ANSI C, HTML/CSS and Swift. Basic skills in SQL, Javascript, and Objective-C.
- Comfortable utilizing Matplotlib and Natural Language Toolkit (NLTK) for Python.
- Some experience with unit testing, Adobe Suite, Docker, and Latex. Basic experience with Unix Systems.
- Fluent in English and Tamil. Comfortable with conversational French.
- Capable of grasping difficult concepts quickly and with little or no instruction and able to use online resources and/or mentorship opportunities effectively.
- Self motivated and driven to plan and complete projects successfully with minimum supervision.
- Plenty of teamwork experience and strong interpersonal skills.

## Work History

**NLP Research Assistant**, Lab II at UC Berkeley *Aug 2019-Present*

- Worked with embedded systems of various types in order to create an approachable human-system interface accessible through a chatbot with grounded NLP.
- Studied natural language in relation to perception of the user's environment and related commands in order to allow smart home devices to learn new terms from the user.
- Read in depth about agent to agent communication as it relates to communication between unrelated and otherwise incompatible smart home devices.

**Tutor/Reader**, Data Structures and Algorithms (CS 61B) at UC Berkeley *Aug 2019-Present*

- Provided one-on-one and small group instruction to groups of around 5 students struggling with their conceptual and practical understanding of data structures and algorithms.
- Tracked learning progress in order to identify opportunities to enhance tutoring methods and help students achieve their set goals.
- Proctored and graded exams of over 200 people.

**Data Analyst**, Berkeley Political Review *Jan 2019-Aug 2019*

- Analyzed large, publicly available datasets to extract meaningful information and designed ways to display data in interesting and engaging ways.
- Created a visualization about the impact of decreasing rates of measles vaccinations in America on infection rates based on data collected by the CDC and the WHO.

## Education

**University of California, Berkeley**, Bachelors in Computer Science, Linguistics *Aug 2018-Present (Expected May 2022)*

**Notable Courseworks:** *GPA 3.9*

- Mathematics: Discrete Mathematics and Probability, Linear Algebra and Differential Equations, Multivariable Calculus, Probability and Random Processes (Current).
- Computer Science and Engineering: Functional Programming, Data Structures and Algorithms, Machine Architecture, Algorithms (Current), Information Systems (Current), Databases (Spring 2020), Operating Systems (Spring 2020), Optimization (Spring 2020).
- Linguistics: Tamil I & II, Introduction to Linguistics (Current), Introduction to Syntax (Spring 2020).

**Awards and Scholarships:**

- Dean's List, Fall 2018 & Spring 2019